| Issu | ıe Classification |
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| Application No. | Applicant(s)   |  |
|-----------------|----------------|--|
| 10/706,624      | SHIMIZU ET AL. |  |
| Examiner        | Art Unit       |  |
|                 |                |  |
| Mark H Paschall | 3742           |  |

|                                     |      |     |     |            |          | 19    | SSUEC                             | LASSIF            | ICATIO                  | N                        |                    |  |  |  |  |  |  |
|-------------------------------------|------|-----|-----|------------|----------|-------|-----------------------------------|-------------------|-------------------------|--------------------------|--------------------|--|--|--|--|--|--|
| ORIGINAL                            |      |     |     |            |          |       | CROSS REFERENCE(S)                |                   |                         |                          |                    |  |  |  |  |  |  |
| •                                   | CLAS | S   |     | SUBCL      |          | CLASS | SUBCLASS (ONE SUBCLASS PER BLOCK) |                   |                         |                          |                    |  |  |  |  |  |  |
| 219 121,43                          |      |     | 219 | 121.41     | 678      |       |                                   |                   |                         |                          |                    |  |  |  |  |  |  |
| IN                                  | TER  | NAT | ONA | L CLASSIFI | CATION   | 156   | SHOUMI                            | 345.41            |                         |                          |                    |  |  |  |  |  |  |
| B                                   | ړ    | 3   | K   | lo /       | 80       | 438   | 799                               |                   |                         |                          |                    |  |  |  |  |  |  |
|                                     |      |     |     | , , ,      | 1        |       |                                   |                   |                         |                          |                    |  |  |  |  |  |  |
|                                     |      |     |     | ,          |          |       |                                   |                   |                         |                          |                    |  |  |  |  |  |  |
|                                     |      |     |     | ,          | <b>!</b> |       |                                   |                   |                         |                          |                    |  |  |  |  |  |  |
|                                     |      |     |     | ,          |          |       |                                   |                   |                         |                          |                    |  |  |  |  |  |  |
| (Assistant Examiner) (Date)         |      |     |     |            | r) (Qa   | ie)   | Ma                                | n HA<br>ark Pascr | 2 chul<br>1811<br>piper | Total Claims Allowed: 17 |                    |  |  |  |  |  |  |
| (Legal Instruments Examiner) (Date) |      |     |     |            |          |       |                                   | nary Exar         | S                       | O<br>Print C<br><i>l</i> | O.G.<br>Print Fig. |  |  |  |  |  |  |

| X     | Claims renumbered in the same order as presented by applicant |   |       |          |   |       |          |   | ☐ CPA |          |  | ☐ T.D. |          |  | ☐ R.1.47 |          |  |       |          |
|-------|---|---|-------|----------|---|-------|----------|---|-------|----------|--|--------|----------|--|----------|----------|--|-------|----------|
| Final | Original  |   | Final | Original |   | Final | Original | - | Finat | Original |  | Final  | Original |  | Final    | Original |  | Final | Original |
| 1.    | 1   |   |       | 31       | 1 |       | 61       |   |       | 91       |  | ,      | 121      |  |          | 151      |  |       | 181      |
|       | 2   |   |       | 32       |   |       | 62       | 1 |       | 92       |  |        | 122      |  |          | 152      |  |       | 182      |
|       | 3   |   |       | 33       |   |       | 63       |   |       | 93       |  |        | 123      |  | ,        | 153      |  |       | 183      |
|       | 4   |   |       | 34       |   |       | 64       |   |       | 94       |  |        | 124      |  |          | 154      |  |       | 184      |
|       | 5   |   |       | 35       | ] |       | 65       | ] |       | 95       |  |        | 125      |  |          | 155      |  |       | 185      |
|       | 6   |   |       | 36       | ] |       | 66       |   |       | 96       |  |        | 126      |  | •        | 156      |  |       | 186      |
|       | 7   |   |       | 37       | ] |       | 67       |   |       | 97       |  |        | 127      |  |          | 157      |  |       | 187      |
|       | 8   |   |       | 38       |   |       | 68       |   |       | 98       |  |        | 128      |  |          | 158      |  |       | 188      |
|       | 9   |   |       | 39       |   |       | 69       |   |       | 99       |  |        | 129      |  |          | 159      |  |       | 189      |
|       | 10  |   |       | 40       | ] |       | 70       |   |       | 100      |  |        | 130      |  |          | 160      |  |       | 190      |
|       | 11  |   |       | 41       |   |       | 71       |   |       | 101      |  |        | 131      |  |          | 161      |  |       | 191      |
|       | 12  |   |       | 42       |   |       | 72       |   |       | 102      |  |        | 132      |  |          | 162      |  |       | 192      |
|       | 13  |   |       | 43       | ] |       | 73       | ] |       | 103      |  |        | 133      |  |          | 163      |  |       | 193      |
|       | 14  |   |       | 44       | ] |       | 74       |   |       | 104      |  |        | 134      |  |          | 164      |  |       | 194      |
|       | 15  |   |       | 45       | ] |       | 75       | ] |       | 105      |  |        | 135      |  |          | 165      |  |       | 195      |
| /     | 16  |   |       | 46       | ] |       | 76<br>77 | ] |       | 106      |  |        | 136      |  |          | 166      |  |       | 196      |
| 17-   | . 17  |   |       | 47       | ] |       | 77       | ļ |       | 107      |  |        | 137      |  |          | 167      |  |       | 197      |
|       | 18  |   |       | 48       |   |       | 78       |   |       | 108      |  |        | 138      |  |          | 168      |  |       | 198      |
|       | 19  |   |       | 49       | ] |       | 79       | ] |       | 109      |  |        | 139      |  |          | 169      |  |       | 199      |
|       | 20  |   |       | 50       | ] |       | 80       | Į |       | 110      |  |        | 140      |  |          | 170      |  |       | 200      |
|       | 21  |   |       | 51       | ] |       | 81       |   |       | 111      |  |        | 141      |  |          | 171      |  |       | 201      |
|       | 22  |   |       | 52       | ] |       | 82       | ļ |       | 112      |  |        | 142      |  |          | 172      |  |       | 202      |
|       | 23  | ] |       | 53       | ] |       | 83       |   |       | 113      |  |        | 143      |  |          | 173      |  |       | 203      |
|       | 24  | [ |       | 54       |   |       | 84       |   |       | 114      |  |        | 144      |  |          | 174      |  |       | 204      |
|       | 25  |   |       | 55       |   |       | 85       |   |       | 115      |  |        | 145      |  |          | 175      |  |       | 205      |
|       | 26  |   |       | 56       |   |       | 86       |   |       | 116      |  |        | 146      |  |          | 176      |  |       | 206      |
|       | 27  |   |       | 57       |   |       | 87       |   |       | 117      |  |        | 147      |  |          | 177      |  |       | 207      |
|       | 28  |   |       | 58       |   |       | 88       |   |       | 118      |  |        | 148      |  |          | 178      |  |       | 208      |
|       | 29  |   |       | 59       | ] |       | 89       |   |       | 119      |  |        | 149      |  |          | 179      |  |       | 209      |
|       | 30  |   |       | 60       |   |       | 90       | L |       | 120      |  |        | 150      |  | L        | 180      |  |       | 210      |